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## Graduate Programs—NEW COURSE PROPOSAL

<b>DEPARTMENT NAME:</b> MATHEMATICAL SCIENCES		<b>COLLEGE OF:</b> SCIENCE	
<b>RECOMMENDED COURSE IDENTIFICATION:</b> PREFIX <u>  MAS  </u> COURSE NUMBER <u>  5145  </u> LAB CODE (L or C) _____ <i>(To OBTAIN A COURSE NUMBER, GO TO <a href="http://www.fau.edu/academic/registrar/UUPCinfo">www.fau.edu/academic/registrar/UUPCinfo</a>)</i> <b>COMPLETE COURSE TITLE</b> LINEAR ALGEBRA			<b>EFFECTIVE DATE</b> (first term course will be offered):  FALL 2008
<b>CREDITS:</b>  3	<b>TEXTBOOK INFORMATION:</b>  LINEAR ALGEBRA BY K.M. HOFFMAN AND R. KUNZE		
<b>GRADING (SELECT ONLY ONE GRADING OPTION):</b> REGULAR <u>  X  </u> PASS/FAIL _____ SATISFACTORY/UNSATISFACTORY _____			
<b>COURSE DESCRIPTION, NO MORE THAN 3 LINES:</b>  LINEAR TRANSFORMATIONS, EIGENVALUES AND EIGENVECTORS, CHARACTERISTIC AND MINIMAL POLYNOMIALS, RATIONAL AND JORDAN CANONICAL FORMS, DETERMINANTS, QUADRATIC FORMS, ORTHOGONAL DIAGONALIZATION OF SYMMETRIC MATRICES, UNITARY AND HERMITIAN TRANSFORMATIONS.			
<b>PREREQUISITES:</b> MAS 4107	<b>COREQUISITES:</b>	<b>OTHER REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL):</b>	
PREREQUISITES, COREQUISITES & REGISTRATION CONTROLS SHOWN ABOVE WILL BE ENFORCED FOR ALL COURSE SECTIONS			
<b>MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE:</b> PH.D. IN THE MATHEMATICAL SCIENCES			
Other departments, colleges that might be affected by the new course must be consulted. List entities that have been consulted and attach written comments from each. NONE			
W. KALIES, <a href="mailto:WKALIES@FAU.EDU">WKALIES@FAU.EDU</a> , (561) 297-1107			
_____ Faculty Contact, Email, Complete Phone Number			

### SIGNATURES

### SUPPORTING MATERIALS

<b>Approved by:</b> Department Chair: _____ College Curriculum Chair: _____ College Dean: _____ UGPC Chair: _____ Dean, Graduate Studies: _____	<b>Date:</b> _____ _____ _____ _____	<b>Syllabus</b> —must include all details as shown in the UGPC Guidelines.  <b>Written Consent</b> —required from all departments affected.  Go to: <a href="http://www.fau.edu/graduate/gpc/index.php">www.fau.edu/graduate/gpc/index.php</a> to download this form and guidelines to fill out the form.
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Email this form and syllabus to [sfulks@fau.edu](mailto:sfulks@fau.edu) and [egirjo@fau.edu](mailto:egirjo@fau.edu) one week **before** the University Graduate Programs Committee meeting so that materials may be viewed on the UGPC website by committee members prior to the meeting.